Grade 4
MIIB4: Using analog and digital clocks, tell time to the nearest minute and to the nearest five-minute interval, including use of A.M. and P.M.
Key: C (9:20)

What time is shown on this watch?

○ 4:47

○ 9:04

○ 9:20

○ 10:20

Choice analysis:
    A. Reversed hands on clock
    B. Read minute hand incorrectly
    C. Key
    D. Read hour hand incorrectly

Grade 4
NIID3: Apply divisibility rules for 2, 5, and 10.
Key: D (300, 330, 360)

**In which set can all of the numbers be divided
by 2, 5, and 10, without any left over?**

○   10, 20, 25

○   30, 50, 125

○   90, 110, 155

○   300, 330, 360

Choice analysis:
    A. Multiples of 5 only
    B. Multiples of 5 only
    C. Multiples of 5 only
    D. Key

Grade 4
NIE1: Write equivalent forms of commonly used fractions
Key: C ($^1/_4$, $^2/_8$, $^3/_{12}$)

Which set contains only equal fractions?

○ $\frac{1}{3}$, $\frac{2}{4}$, $\frac{3}{5}$

○ $\frac{2}{4}$, $\frac{2}{5}$, $\frac{2}{6}$

○ $\frac{1}{4}$, $\frac{2}{8}$, $\frac{3}{12}$

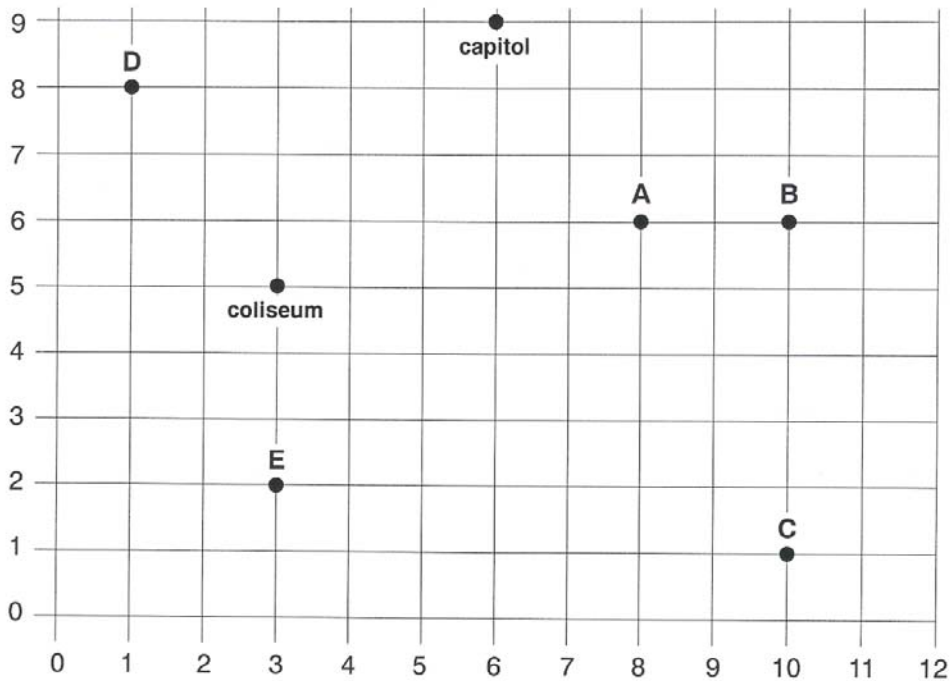○ $\frac{1}{2}$, $\frac{2}{4}$, $\frac{4}{6}$

Choice analysis:
   A. No equal fractions, sequential numerators and denominators
   B. No equal fractions, equal numerators
   C. Key
   D. ½ equal to $^2/_4$ but not equal to $^4/_6$

Grade 4
GIIB2: Identify and name points on a coordinate grid using an ordered pair
of whole numbers
Key: B (3, 5)

9 ┤
    capitol
D
8 ┤ •

7 ┤

A   B
6 ┤ •   •

5 ┤ •
  coliseum

4 ┤

3 ┤

E
2 ┤ •

C
1 ┤ •

0 ┤

0   1   2   3   4   5   6   7   8   9   10 11 12

Where is the coliseum located?

○ (3, 4)
○ (3, 5)
○ (4, 5)
○ (5, 3)

Choice analysis:
    A. Miscounts vertical location
    B. Key
    C. Miscounts horizontal location
    D. Reverses x and y coordinates

Grade 4
MIC2: Convert units of time including days, hours, minutes, and seconds.
MIIB3: Determine the amount of elapsed time in hours and minutes within
a twelve-hour period
Key: D (9:50 A.M.)

Danny got to school at 8 o'clock in the morning.
He spent 1 hour reading a book. He worked on
his spelling for 40 minutes and worked with
pattern blocks for 10 minutes. He then went to
art. At what time did he go to art?

○ 9:00 A.M.

○ 9:10 A.M.

○ 9:40 A.M.

○ 9:50 A.M.

Choice analysis:
   A. Ignores time for spelling and pattern blocks
   B. Ignores time for spelling
   C. Ignores time for pattern block
   D. Key

Grade 4
NIIC1: Use the inverse relationships between multiplication and division
to solve problems
Key: B (8 packages)

Mr. Samuels wants to buy 48 cans of dog food to give to the
animal shelter. There are 6 cans of dog food in a package. How
many packages of dog food should Mr. Samuels buy?

○   7 packages

○   8 packages

○   42 packages

○   54 packages

Choice analysis:
   A. Divides incorrectly
   B. Key
   C. Subtracts 6 from 48
   D. Adds 48 and 6